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(54) HYDRAULIC CONTROL VALVE OF POWER STEERING DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide an hydraulic control valve for power steering device, which can prevent generation of vibrations owing to rattling of a valve sleeve and also generation of hysteresis in the steering assist force by friction.

SOLUTION: An engaging pin 56 driven to an output shaft is fitted in an engaging groove 55 formed in a valve sleeve 44. The engaging groove 55 reduces its width (w) toward the bottom 3. The engaging pin 56 is energized toward the bottom 3 of the engaging groove 55 by a circlip 5 which is fitted in a ring-shaped groove 4 provided at the peripheral surface of the valve sleeve 44. The circlip 5 has crest part and trough part undulated in the direction X across the groove width part. The circlip 5 will never rattle within the ring-shaped groove 4.

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